**Solarflare Solarstorm Introduces 10-Gbit Ethernet Controller**

Solarflare Communications, a purveyor of high-performance Ethernet silicon, recently announced Solarstorm, a low-power 10-Gigabit Ethernet controller that operates at 2.2 watts. In addition, the company introduced an IEEE 802.3an-compliant 10GBASE-T server adapter reference design, along with 10GBASE-CX4 and XFP optical server adapter reference designs. Solarstorm’s 10GBASE-T design supports distances of greater than 100 meters on UTP Category 6A cabling.

All the reference designs, which are available in a low-profile PCI Express format, include schematics, bills of materials, layout files, critical components lists, and errata logs. Solarstorm is also compatible with Intel’s QuickData Technology platform.

For complete product details, including a downloadable brochure, visit www.solarflare.com.

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**Perforce Releases 2007.1 Beta Version**

Perforce Software’s latest software configuration management system includes new server features such as file tamper checking, configurable submit behavior, automatic labeling, and more. Perforce Server Release 2007.1 also manages access to versioned files, tracks user operations, and records all activity in a centralized database. Several other toolkits round out the Perforce suite.

Perforce’s visual client, P4V, provides a graphical interface on Windows, Mac OS X, Linux, Solaris, and FreeBSD. It includes a built-in merge feature, as well as Perforce’s revision graph and time-lapse view tools. The Perforce command-line client, P4, is highly scriptable and available on a wide variety of platforms. Reporting tools—including Crystal Reports, Microsoft Access, and Microsoft Excel—can access the Perforce database through an ODBC driver.

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**Symmetricom Announces IEEE 1588-Compliant Network Synchronizer**

Symmetricom, a supplier of network synchronization and timing solutions, recently introduced its XLI IEEE 1588 Grandmaster Clock with GPS. Intended for exacting time protocol test-and-measurement applications, the box uses the IEEE 1588 protocol to ensure accurate synchronization over Ethernet LANs.

A standard time interval function in the Grandmaster measures the interval between the Grandmaster 1-PPS pulse(s) and the rising edge of an external IEEE 1588 slave. This measurement is generated as an ASCII string and is output every second via serial port or by using a Telnet session. The lag time indicates how well a slave clock can be synchronized to the Grandmaster.

The XLI Grandmaster also can measure time degradation through hubs and switches, characterizing them before network deployment. According to Symmetricom product data, switches, in particular, can add unpredictable latency and jitter to packet transit times. As a result, slave synchronization accuracy can be degraded.

To learn more about Symmetricom, including the XLI IEEE 1588 Grandmaster Clock with GPS, visit www.symmmttm.com.

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**Xilinx Launches New ChipScope Tools**

Xilinx recently announced the launch of its ChipScope Pro 9.1i software and ChipScope Serial I/O Toolkit 9.1i for on-chip FPGA verification. According to Xilinx, the 9.1i version leverages the 65-nm ExpressFabric architecture of the Virtex-5 platform family, supporting up to 60 percent faster clock speeds compared with the 90-nm FPGA version.

The Xilinx 65-nm Virtex-5 LXT FPGAs incorporate serial transceivers, built-in PCI Express endpoint blocks, and Ethernet media-access controller blocks.

The ChipScope Pro Serial I/O Toolkit, an add-on option to the ChipScope Pro debug system, includes the IBERT debug core and IBERT control console. The latest version enhances ChipScope’s on-chip verification functions by simplifying real-time measurement and verification of the RocketIO multi-gigabit transceiver (MGT) channels available in the Virtex-4 FXT and Virtex-5 LXT platform FPGAs.

The ChipScope Pro 9.1i inserts logic analyzer, bus analyzer, or virtual I/O low-profile software cores directly into a design. Via the programming interface, users can capture and view any internal signal or node, including embedded hard or soft processors, at or near operating system speed.

To learn more about the Xilinx and ChipScope tools, visit www.xilinx.com.

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**Send product announcements to developer@computer.org.**

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*Solarstorm Controller interfaces with Intel QuickData platform.*